

FIG. 1



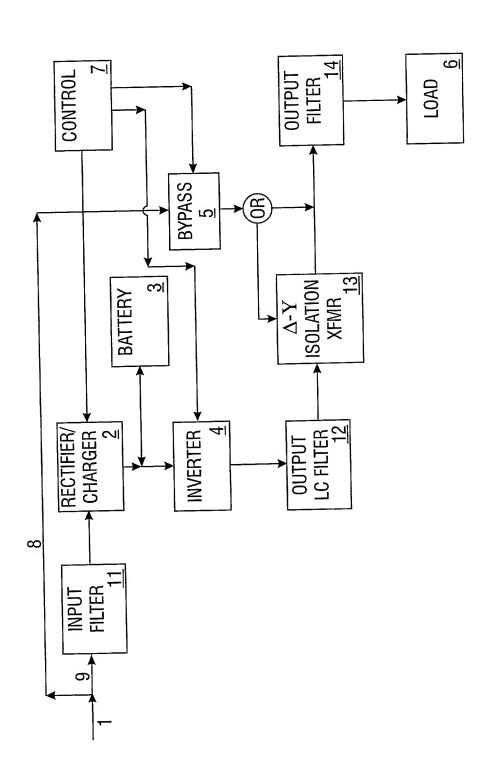


FIG. 2



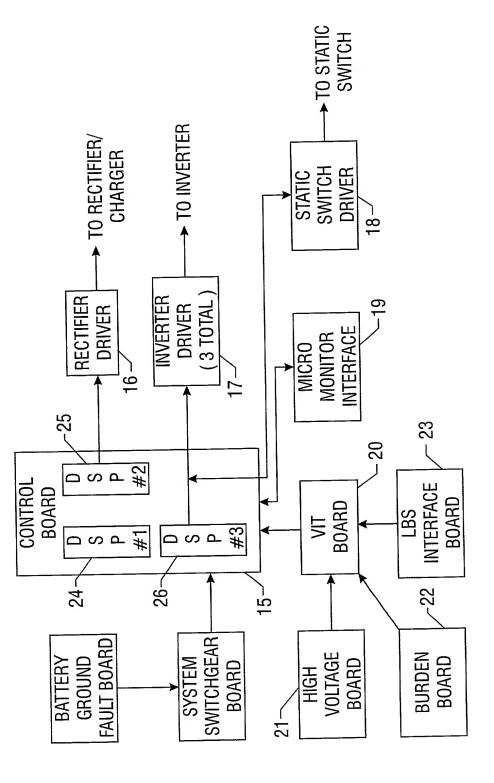


FIG. 3



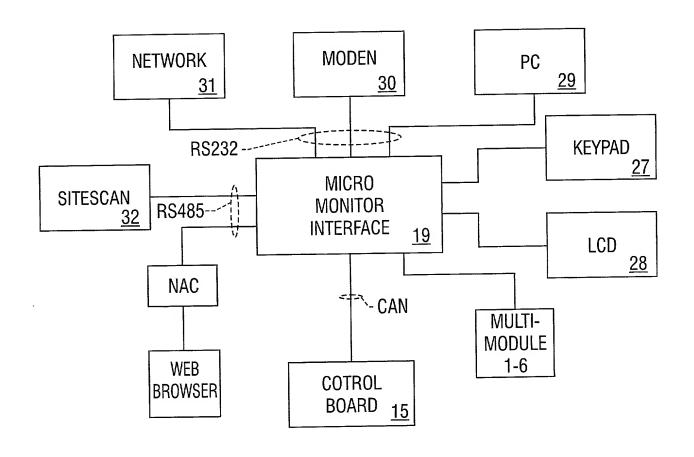


FIG. 4



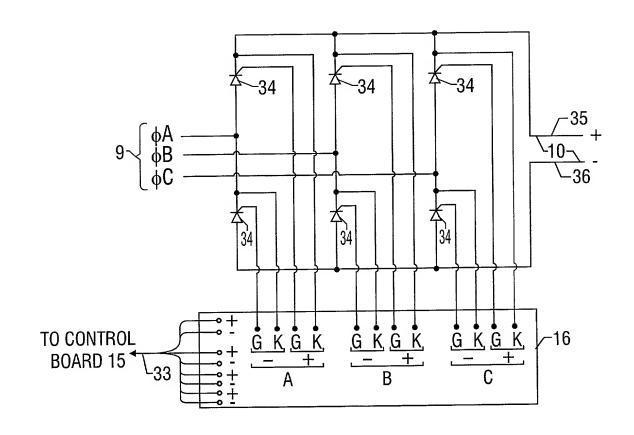


FIG. 5



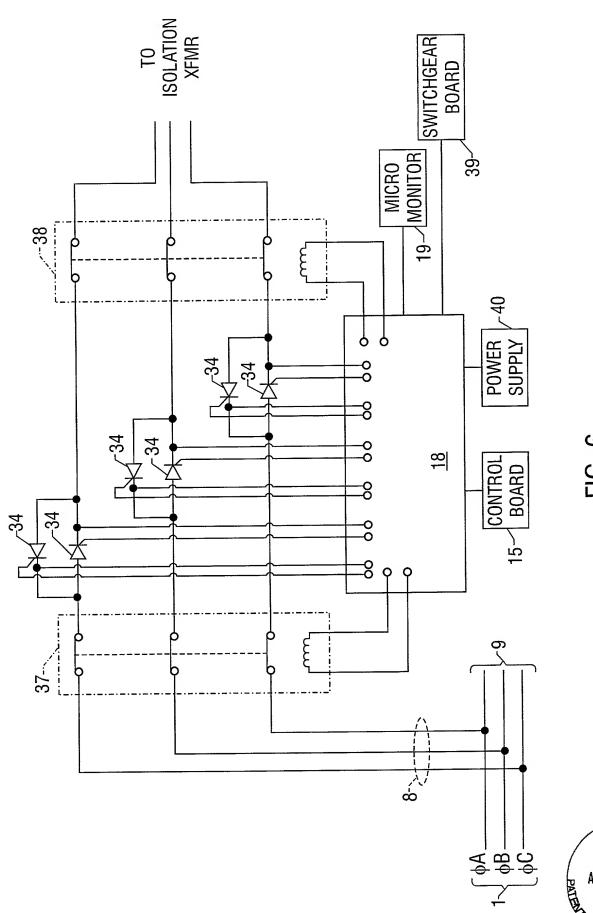
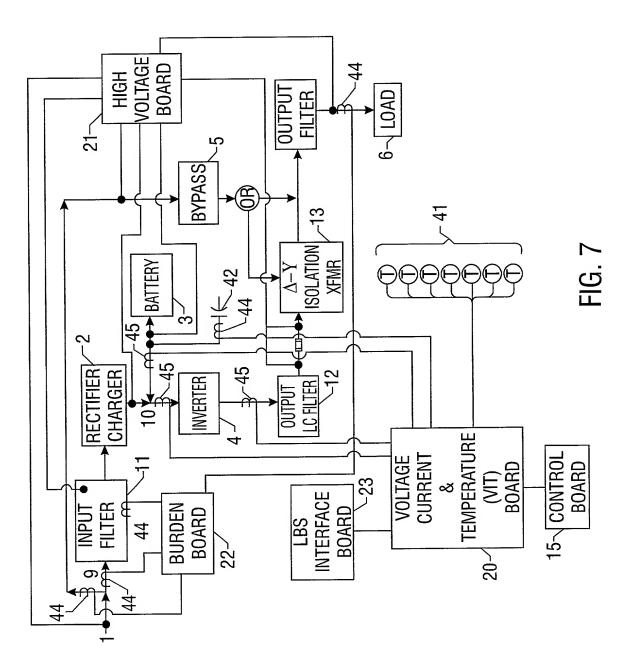
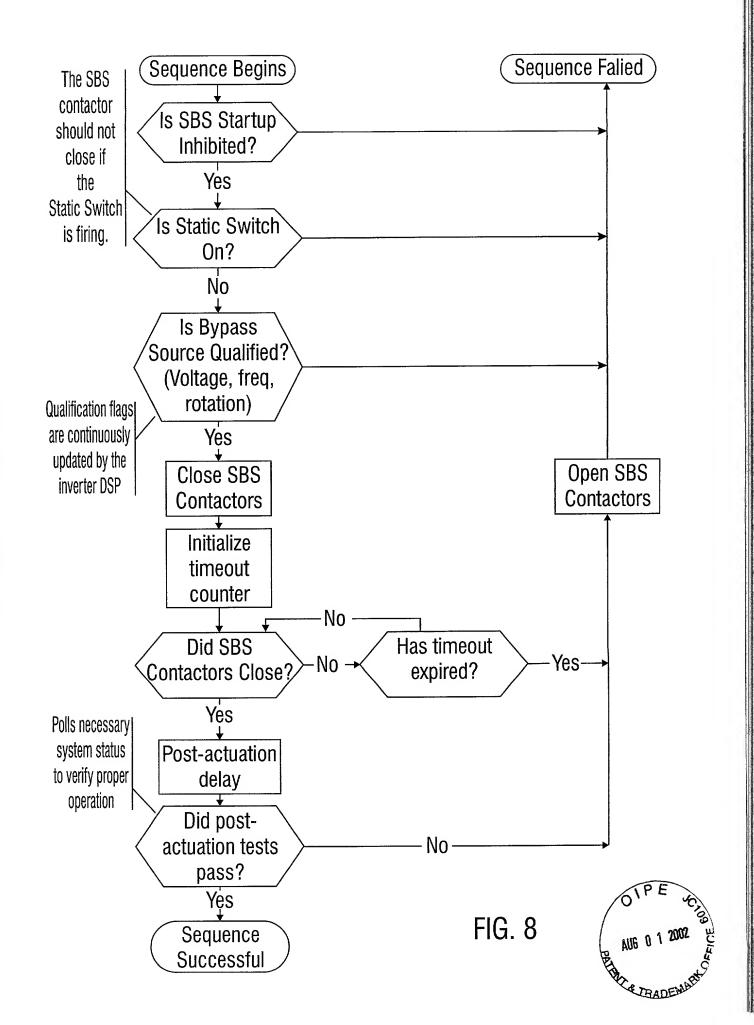


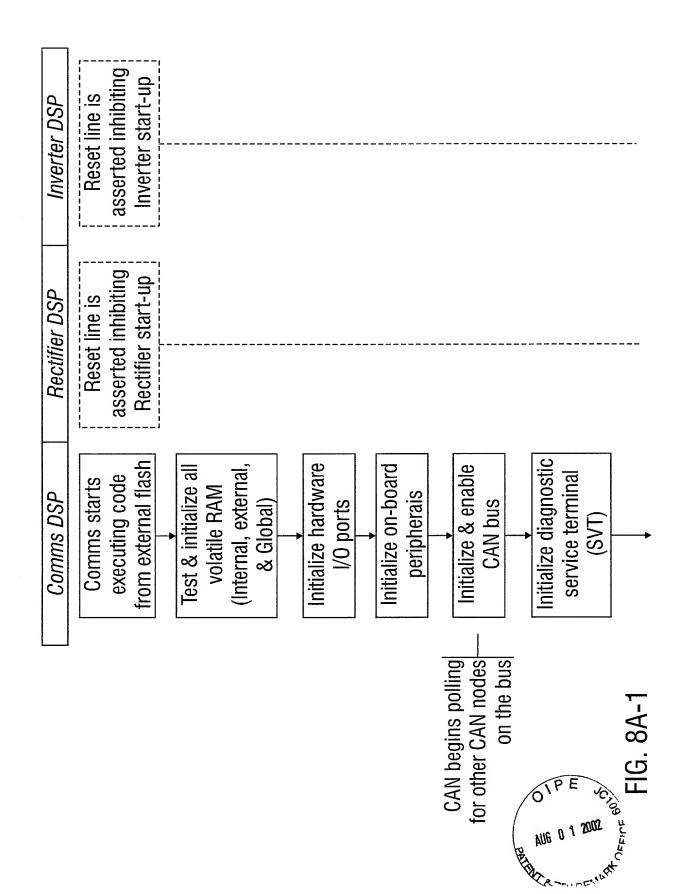
FIG. 6

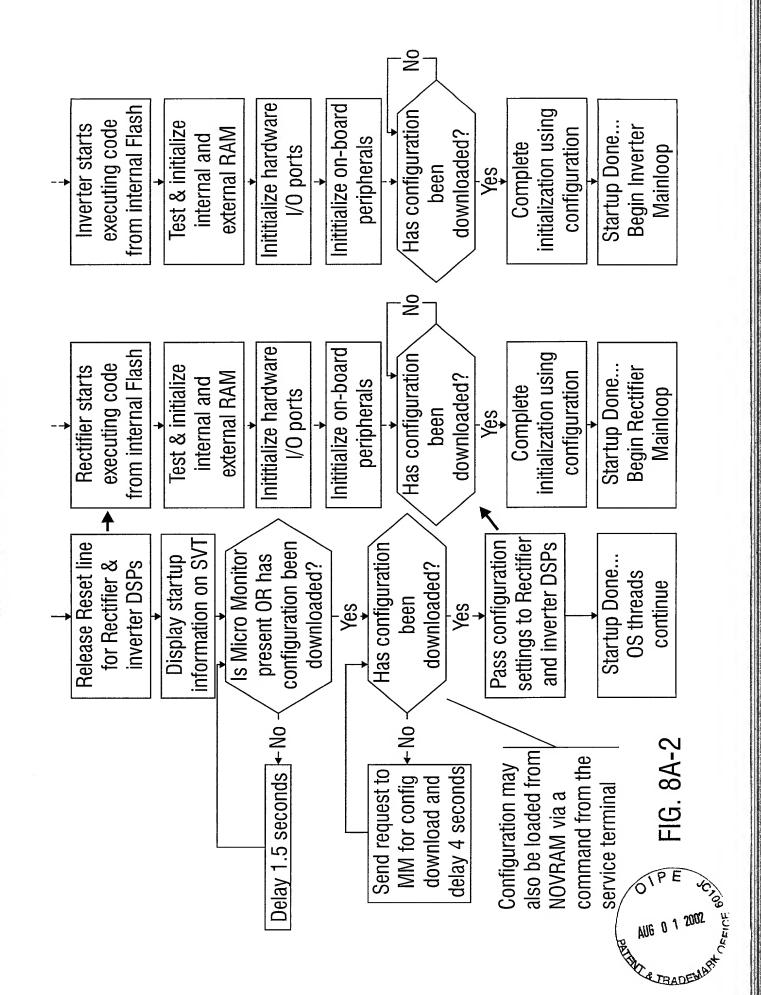












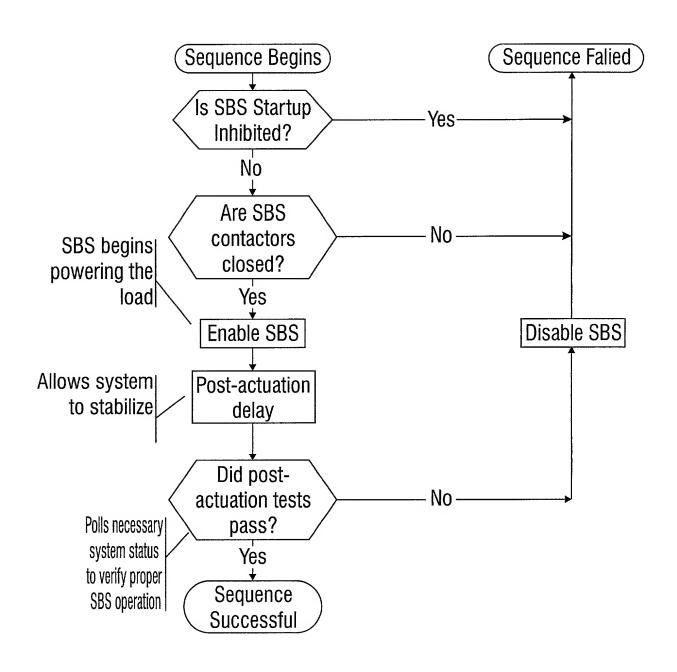
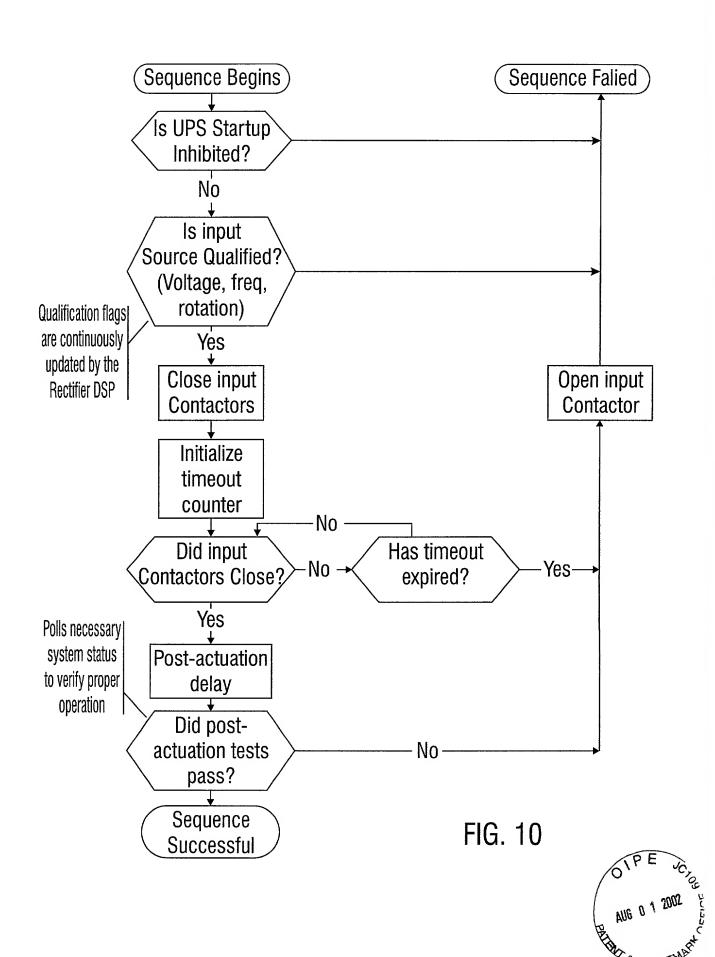
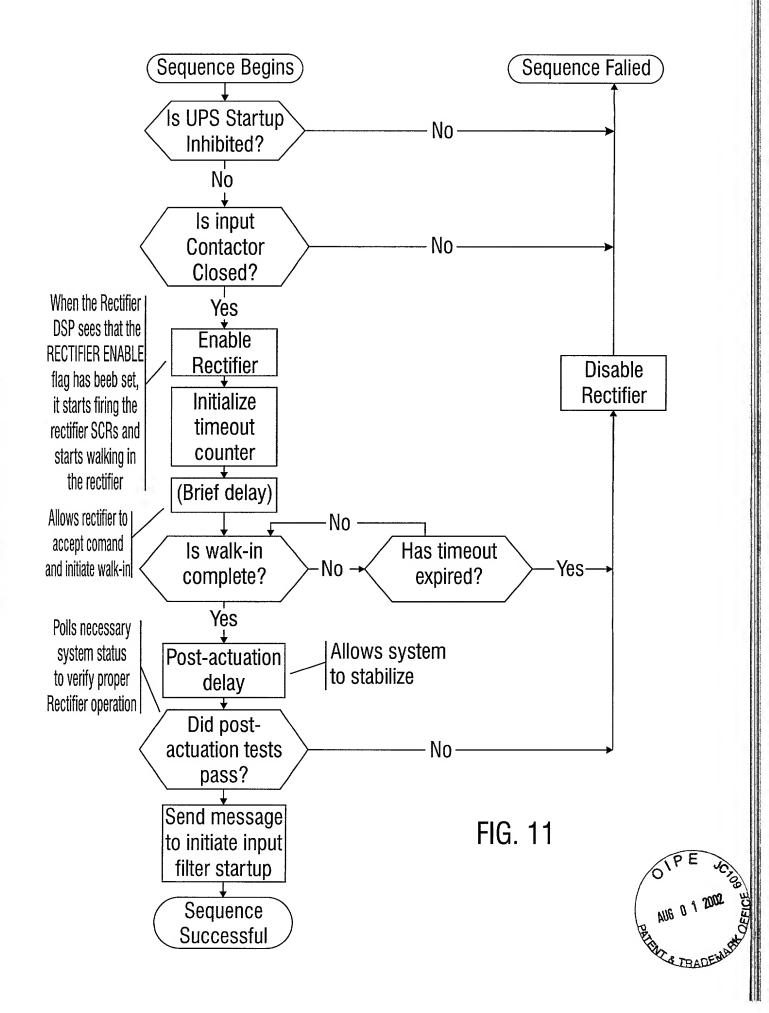
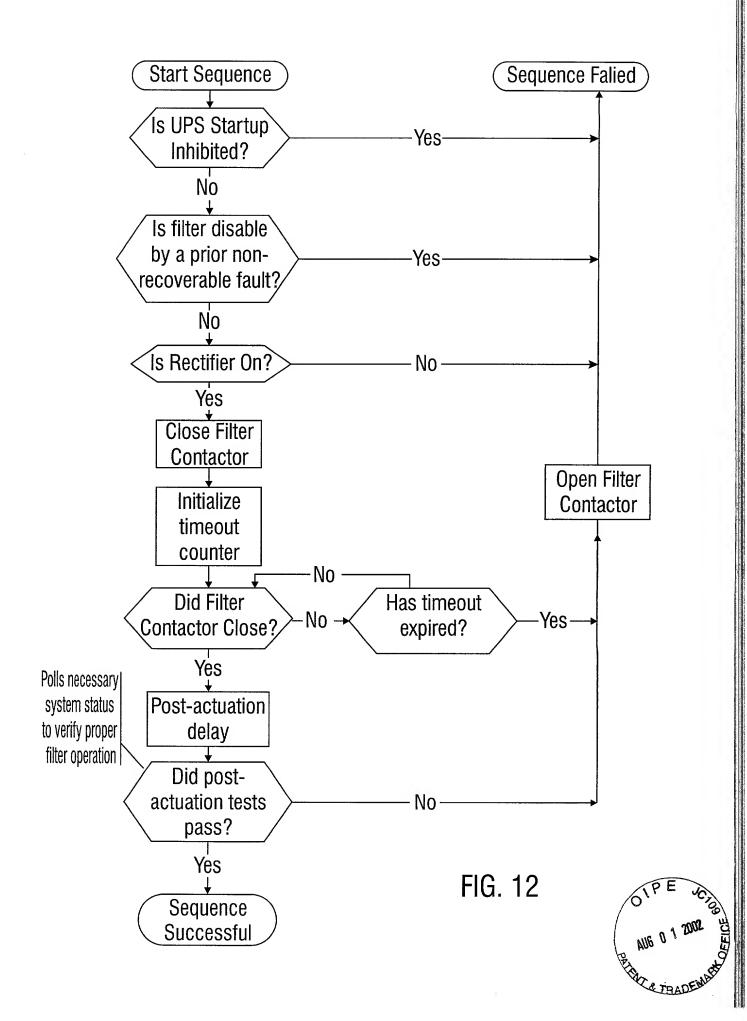


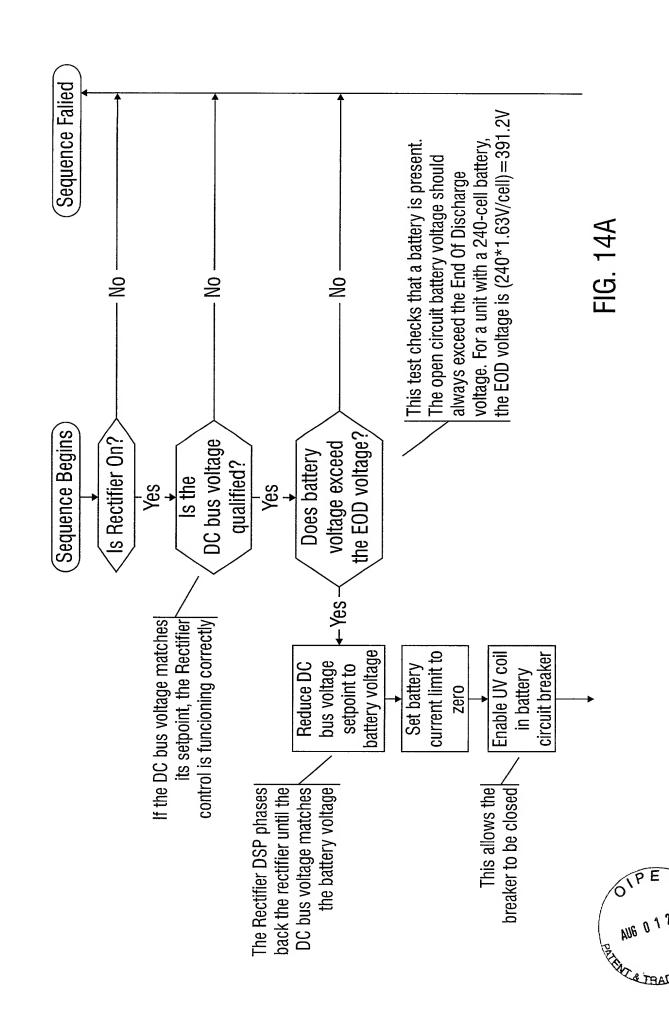
FIG. 9

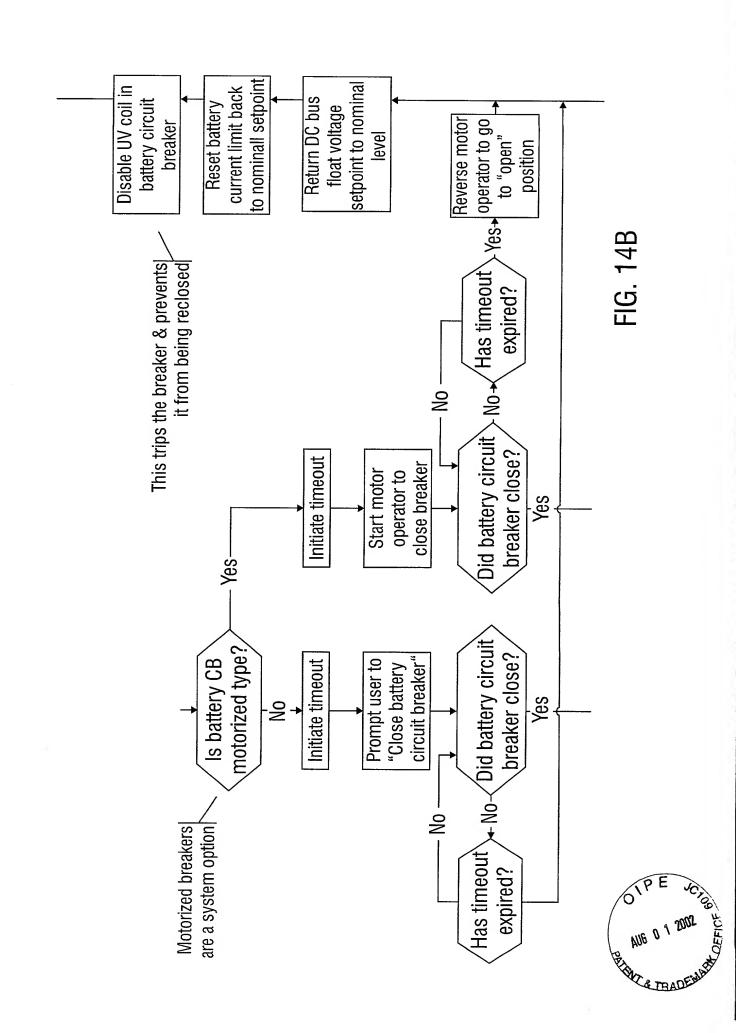


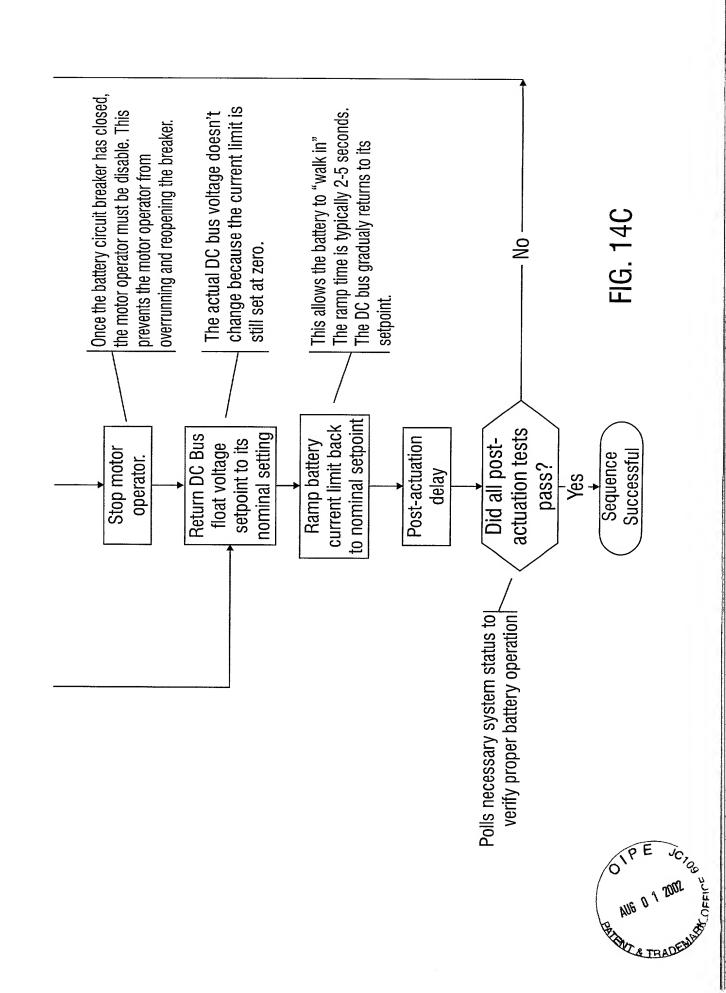


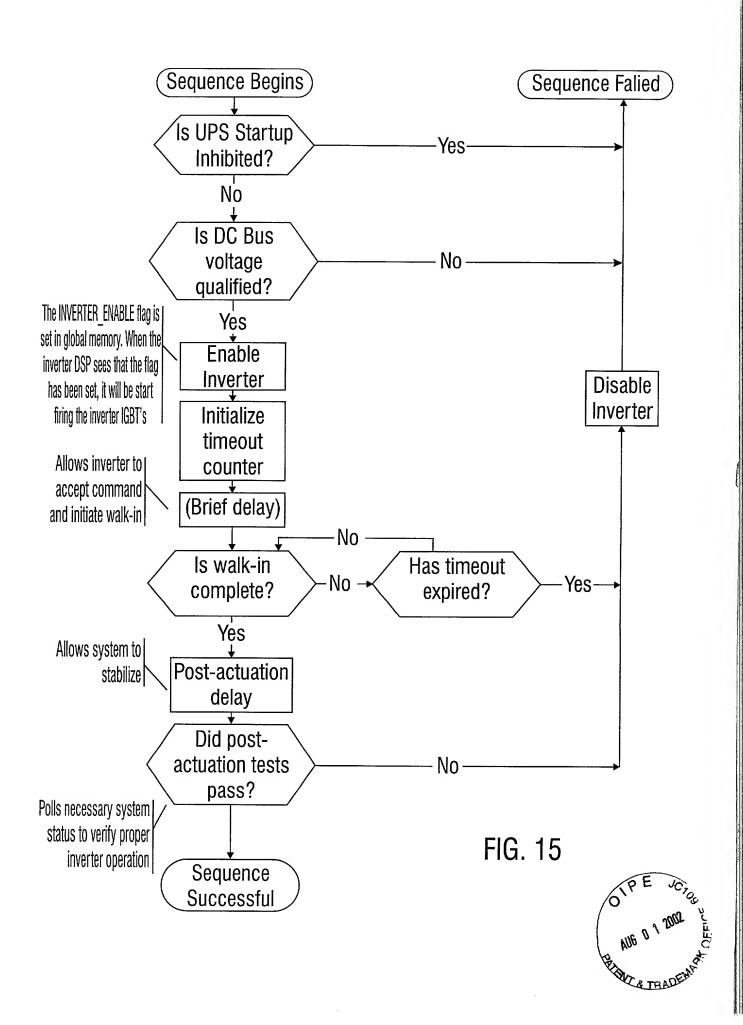


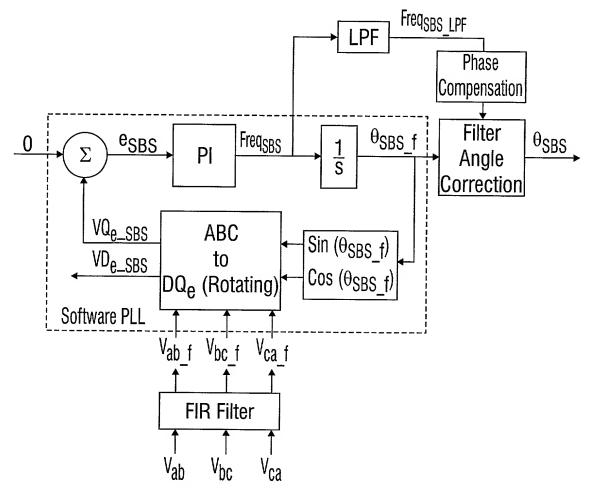












Static Bypass Switch L-L Voltage

FIG. 16



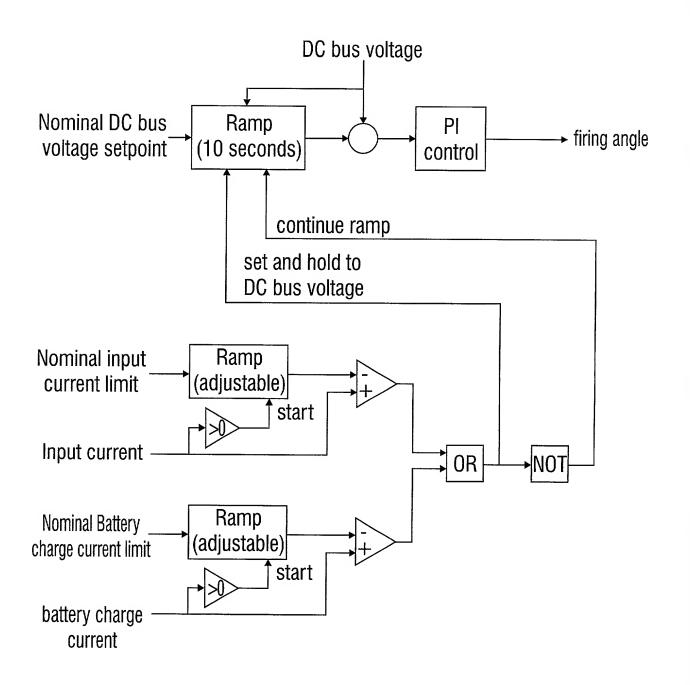


FIG. 17A



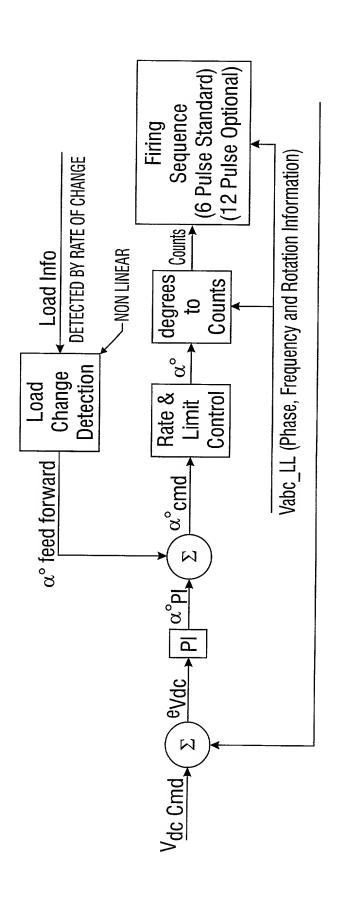


FIG. 17B



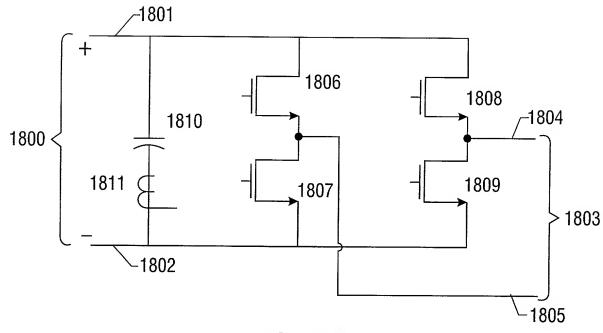


FIG. 18A

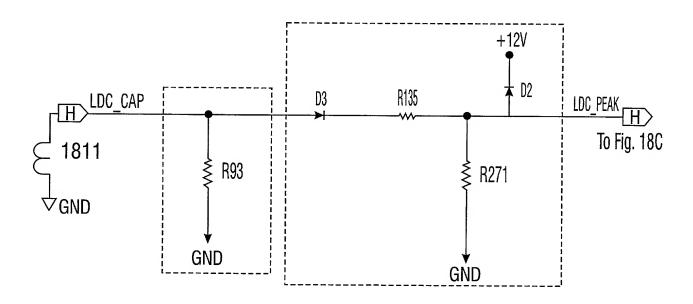


FIG. 18B



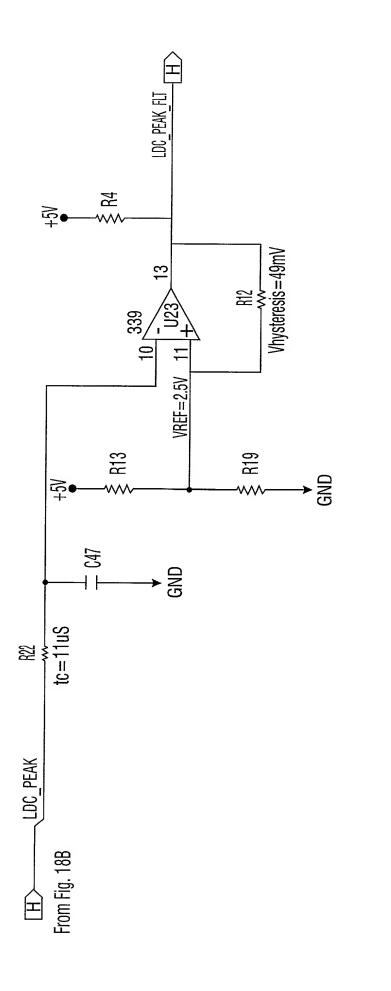


FIG. 18C



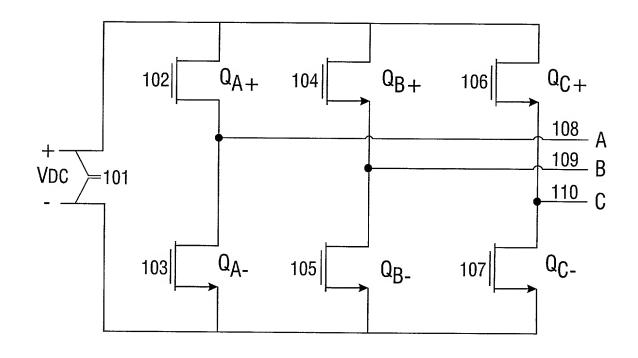
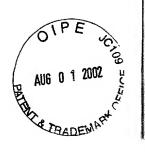


FIG. 19



			ļ						
Line to Line Voltage Vectors	Vector		S			ľ	Ι'	1.	
	V=[V0S Vns]T	2/√3 V _{dc} ∠-30°	2/13 Vdr Z30°	2/13 Vdr 290°	2/13 Vdc <150°	2/13 Vdc /210°	2/13 Vdc /270°	8	0
	VCA	- Vdc	0	Vdc		0	- Vdr	0	0
	VBC	0	- Vdc	- ۷م	0	Vdc	Vdc	0	0
	VAB	Vdc	Vdc		- Vdc	- Vdc	0	0	0
		I		T	Τ	Γ			T
Line to Neutral Volta	Vector	\	1 5	5	[ľ	15	15	1 %
	$V=[V_{QS} V_{DS}]^T$		2/3 V _{dc}	2/3 V _{dc}	2/3 V _{dc}	2/3 V _{dC} ∠240°	2/3 V _{dc} \angle 300°	0	0
	V _{CN}		1/3 V _{dc}	\sim	-	1/3 V _d	2/3 V _d	0	0
	VBN	2/3 V _{dc} -1/3 V _{dc} -1/	c -2/3 Vdc	1/3 V _{dc} -1/3 V _{dc}	1/3 V _{dc}	2/3 V _{dc}	1/3 V _{dc}	0	0
	VAN	2/3 V _{dc}	1/3 V _{dc} -2	-1/3 V _{dc}	-2/3 Vdc	-1/3 V _{dc}	1/3 V _{dc}	0	0
(N) = 0	+ SA+	1	1	0	0	0	_	0	-
Switch $(0=0\text{HF}, i=0\text{N})$	S_{B+}	0	0	0	1	-	-	0	-
Switch	+ე <u></u>	0	-	-	-	0	0	0	-

FIG. 20



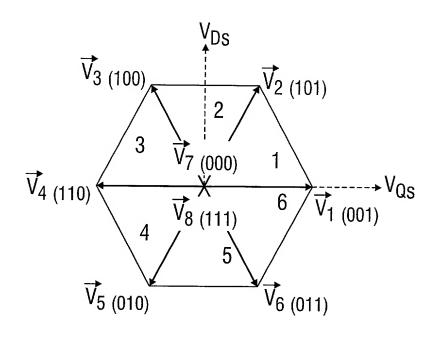


FIG. 21A

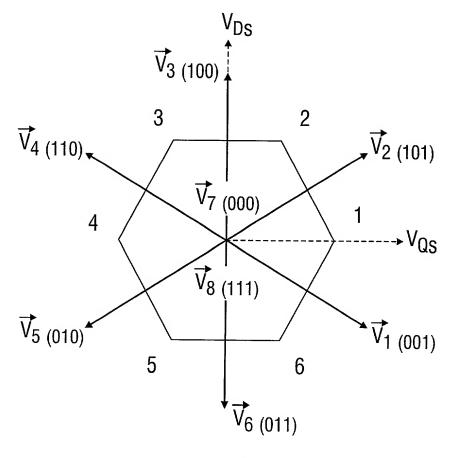


FIG. 21B



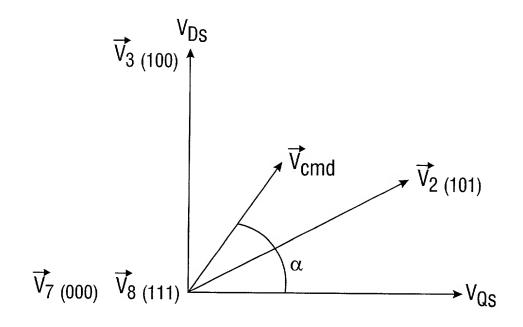
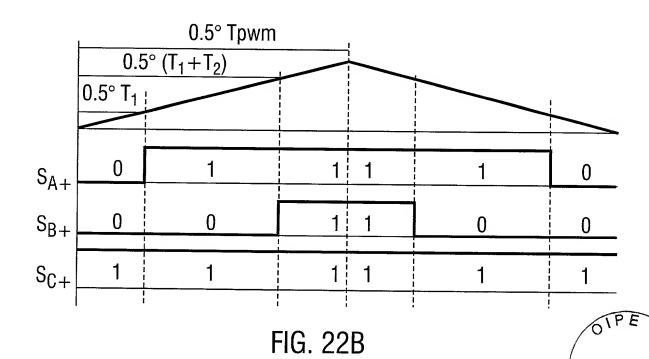


FIG. 22A



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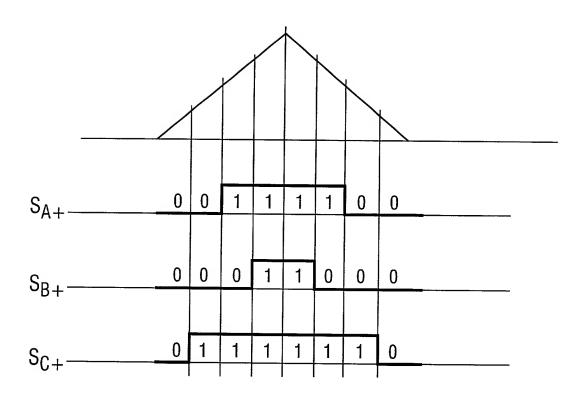


FIG. 22C



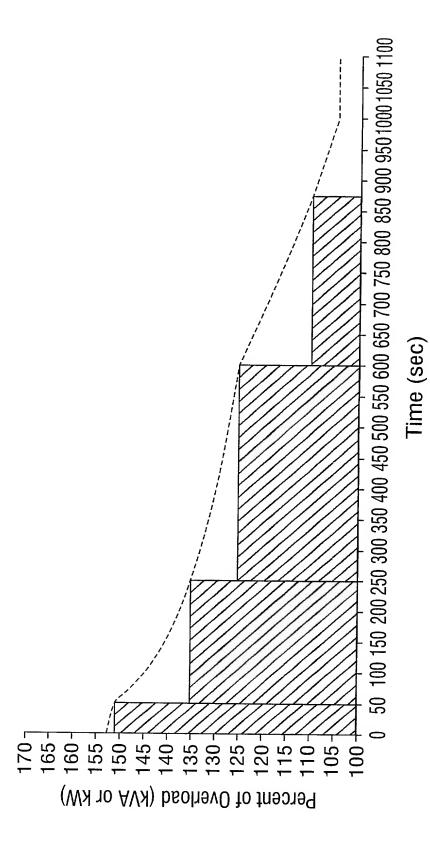


FIG. 23



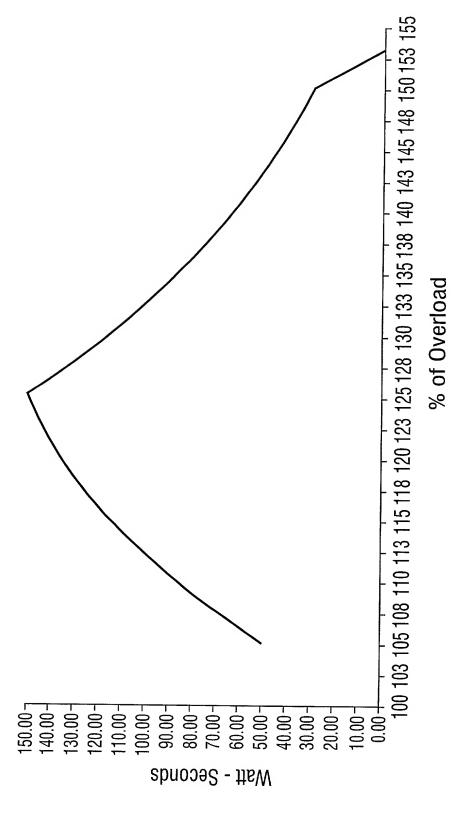
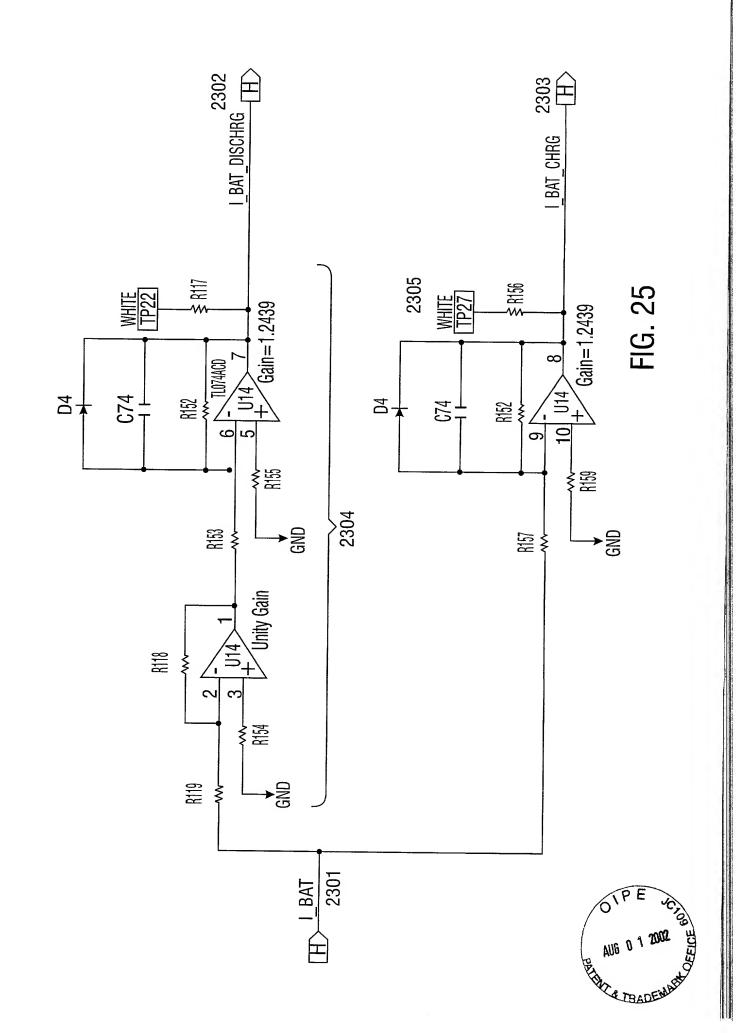
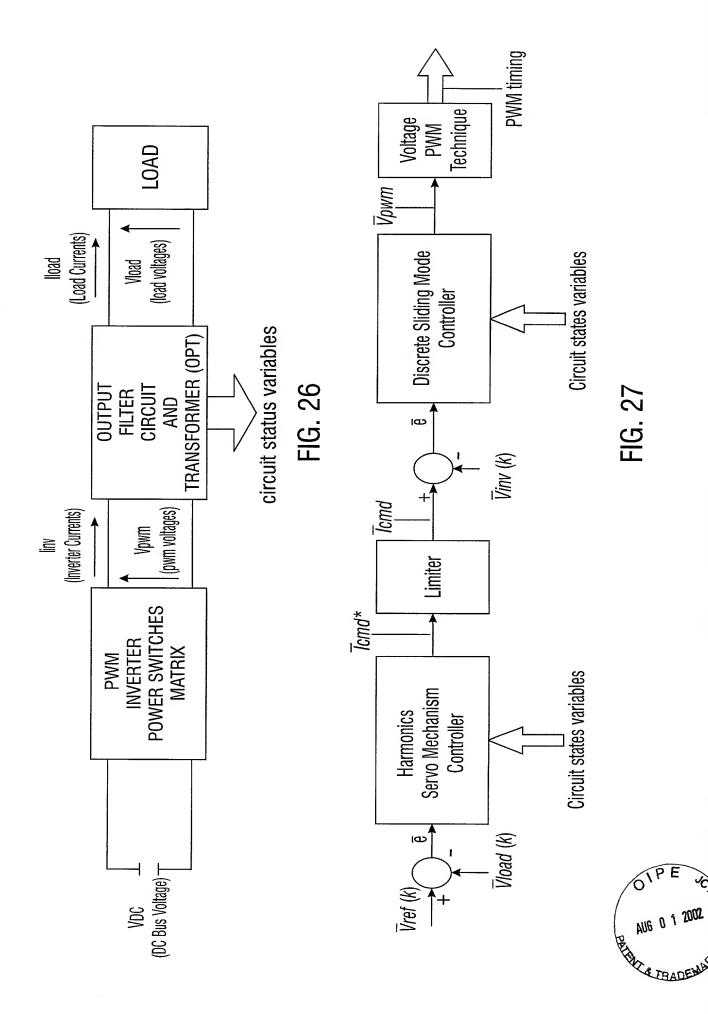
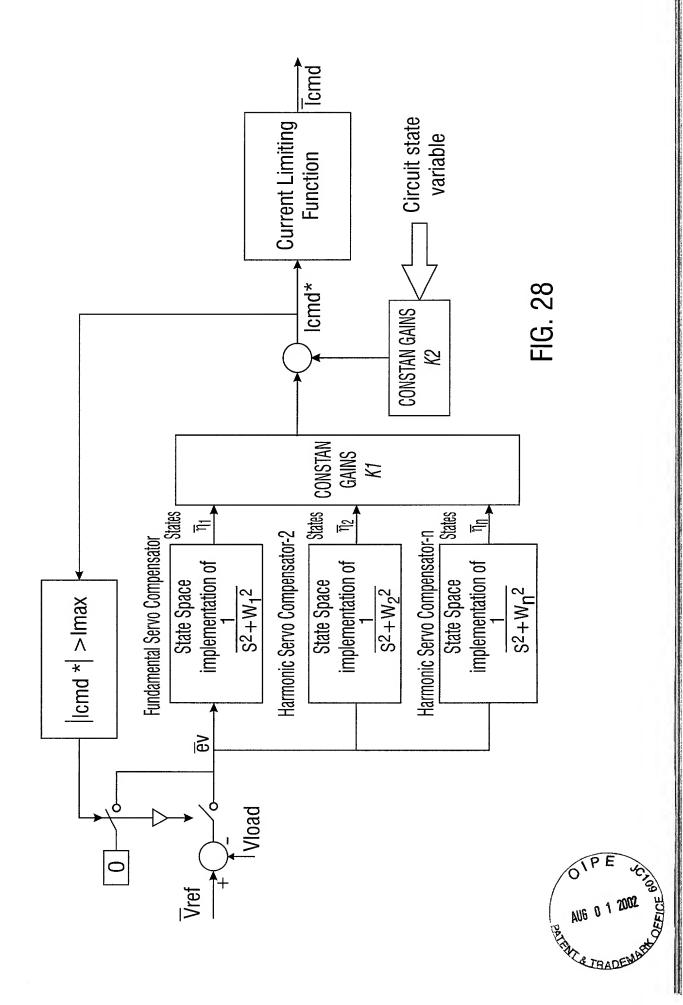


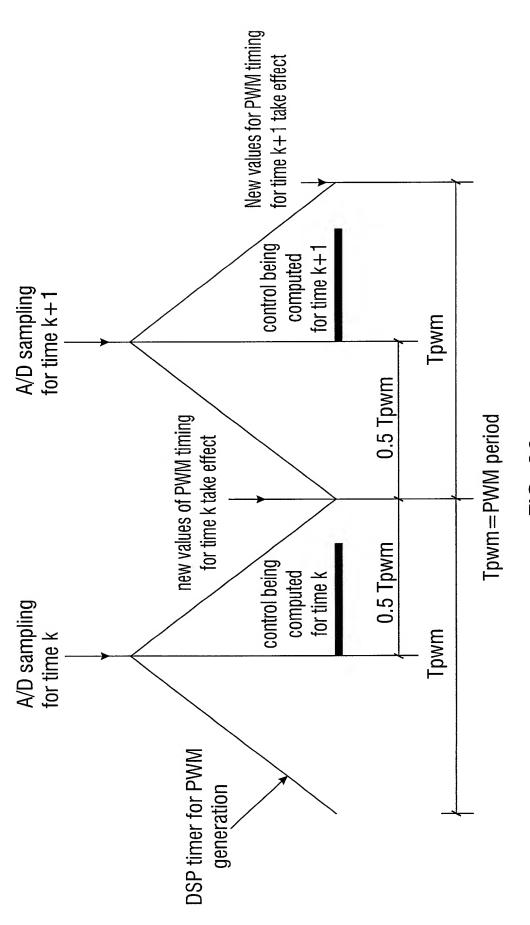
FIG. 24





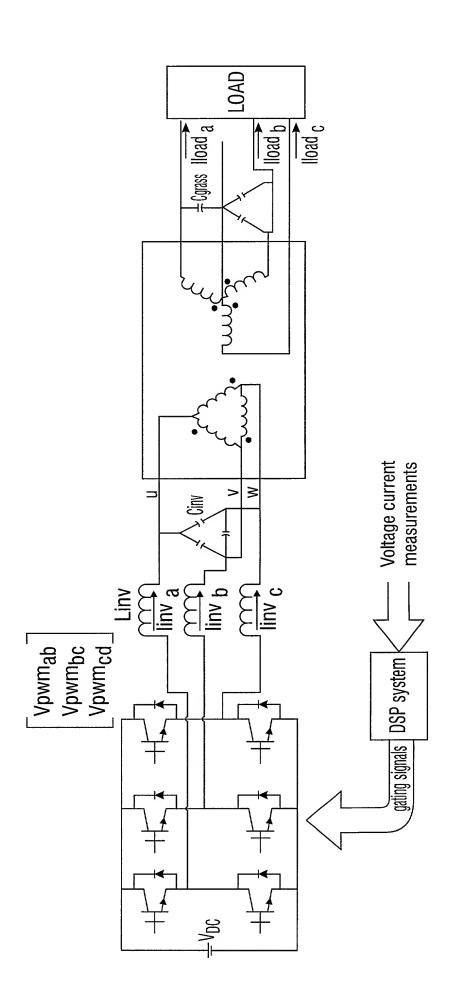






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FIG. 29



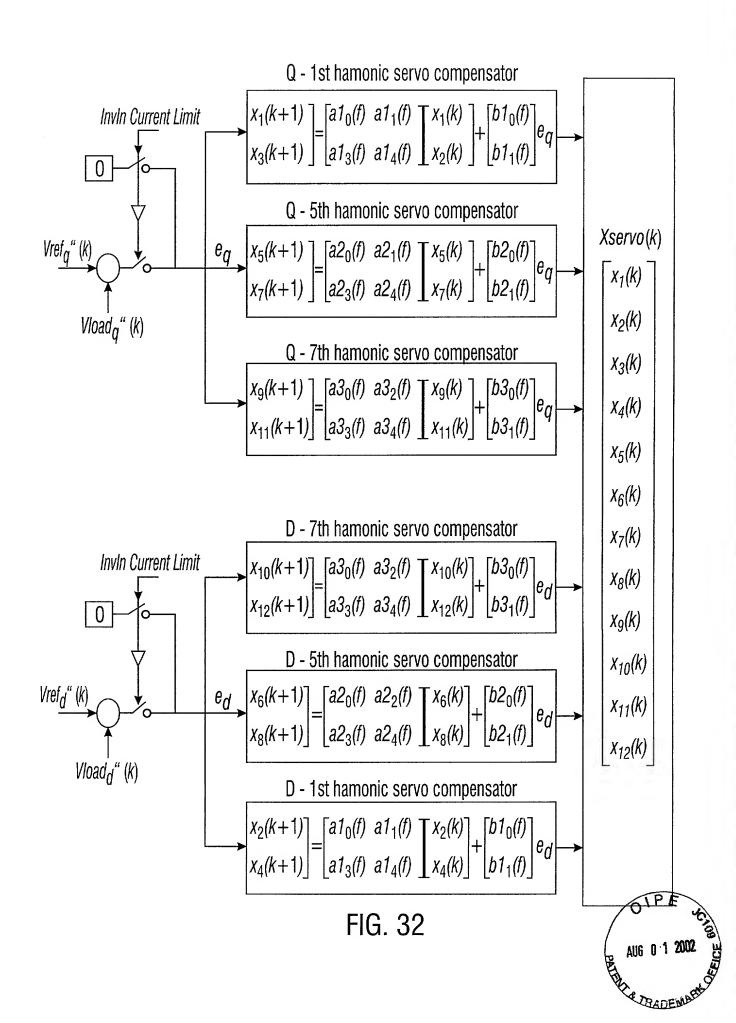




DELTA-WYE TRANSFORMER u Ltrans Rtrans -^VVV-Χ - tr-Isndb Isnd_a - tr Vinv_{ca} Ltrans Rtrans --////у ٧ - tr Vinv_{bc} Isnd_b - tr•Isnd_{C,} - tr-Isnda - tr Vinv_{ab} Ltrans Rtrans Z W $\mathit{Isnd}_{\mathbb{C}}$

FIG. 31





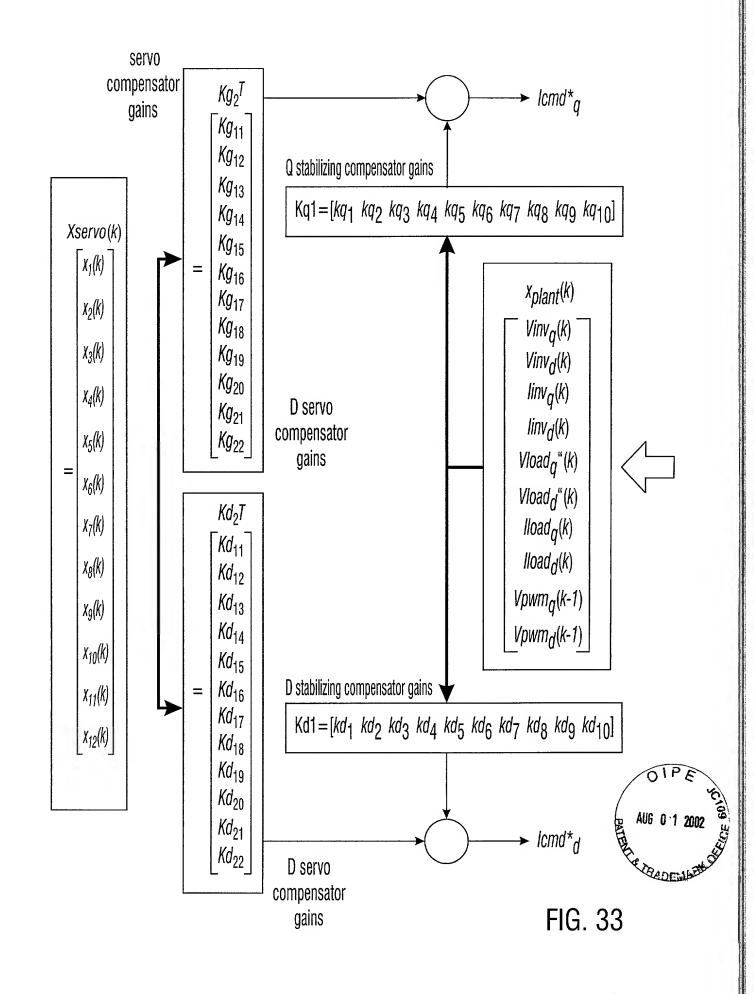
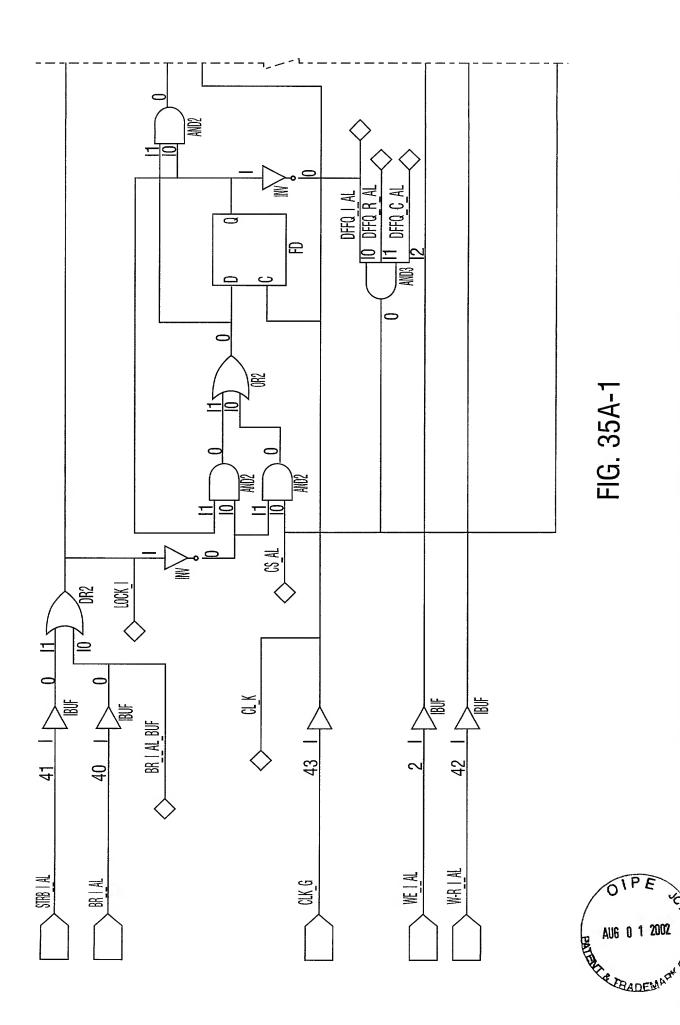
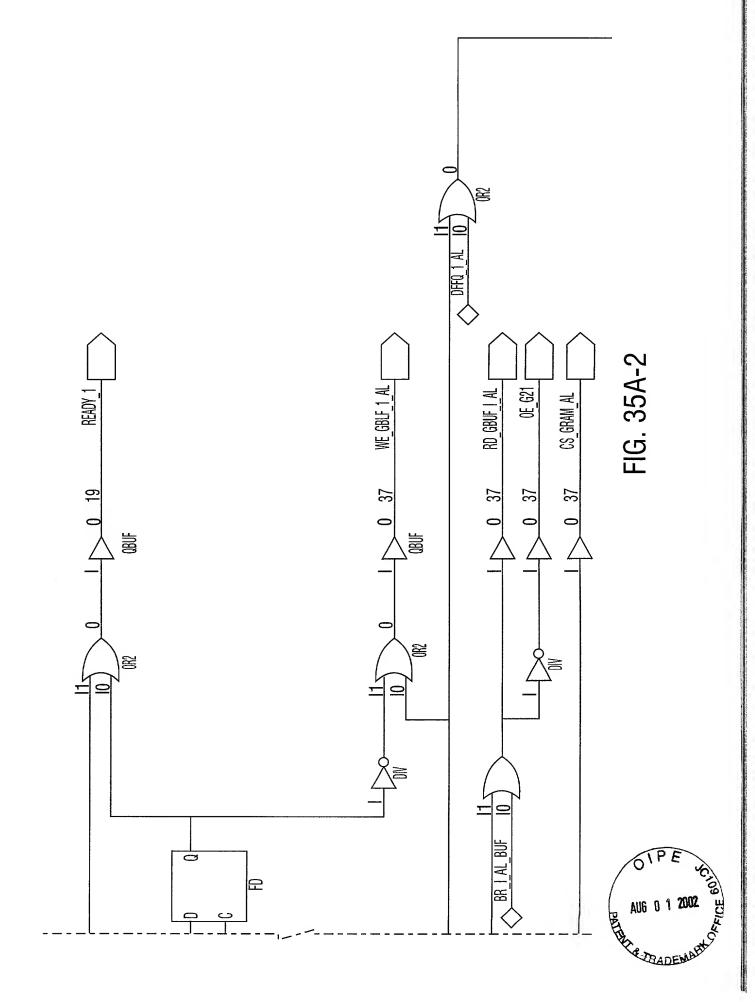


	FIG. 35A-5	
FIG. 35A-2	FIG. 35A-4	FIG. 35A-7
FIG. 35A-1	FIG. 35A-3	FIG. 35A-6

FIG. 35A







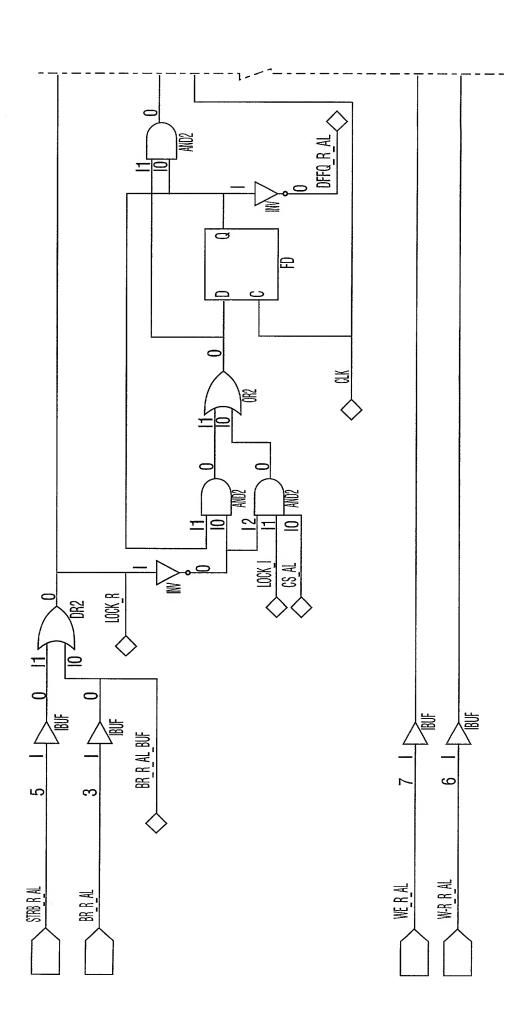


FIG. 35A-3



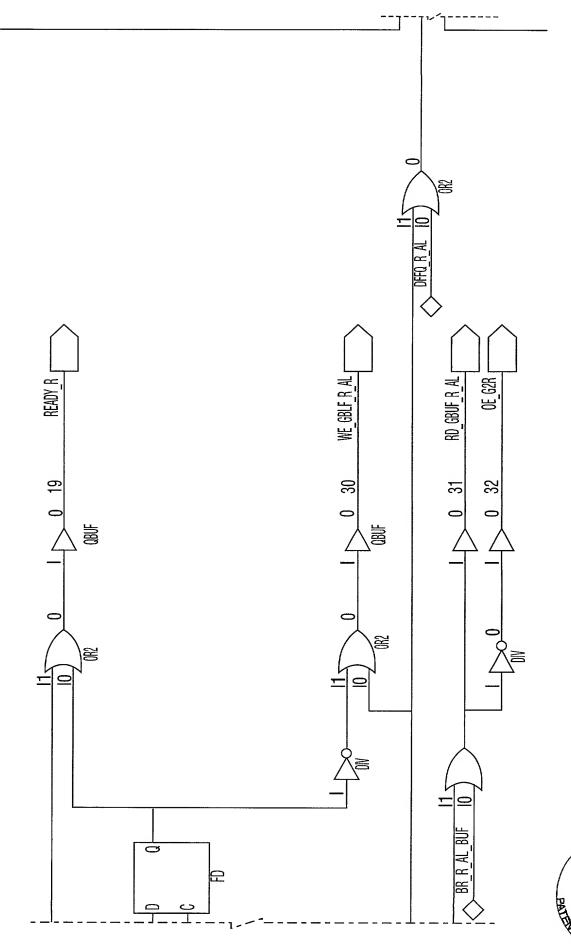
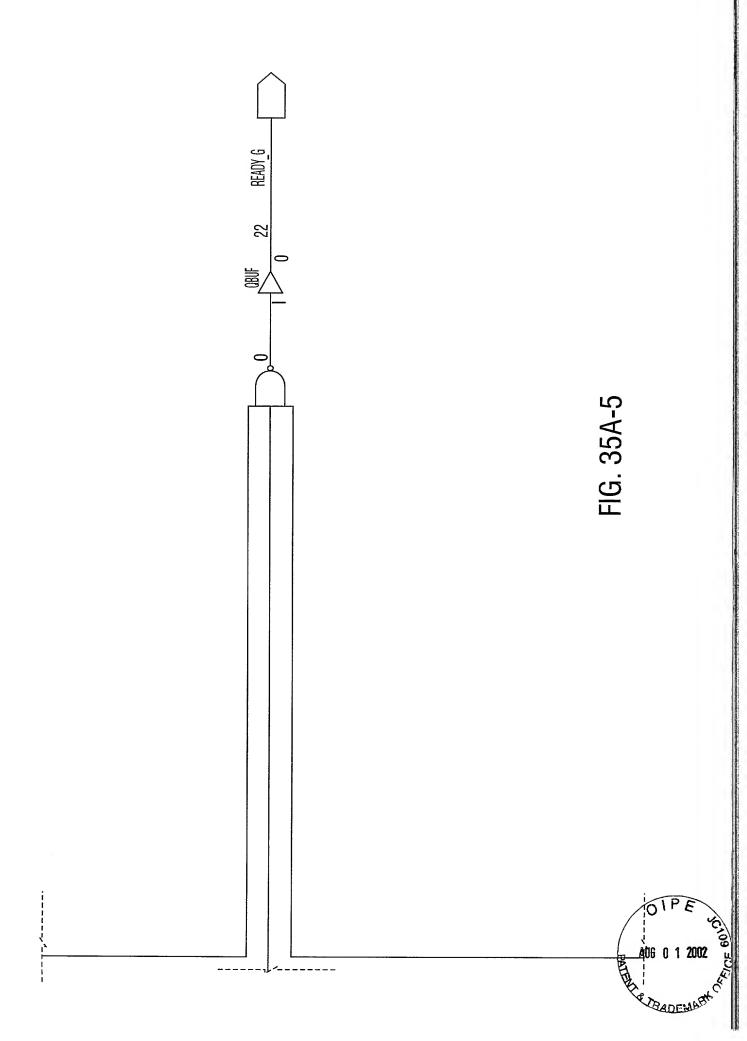


FIG. 35A-4





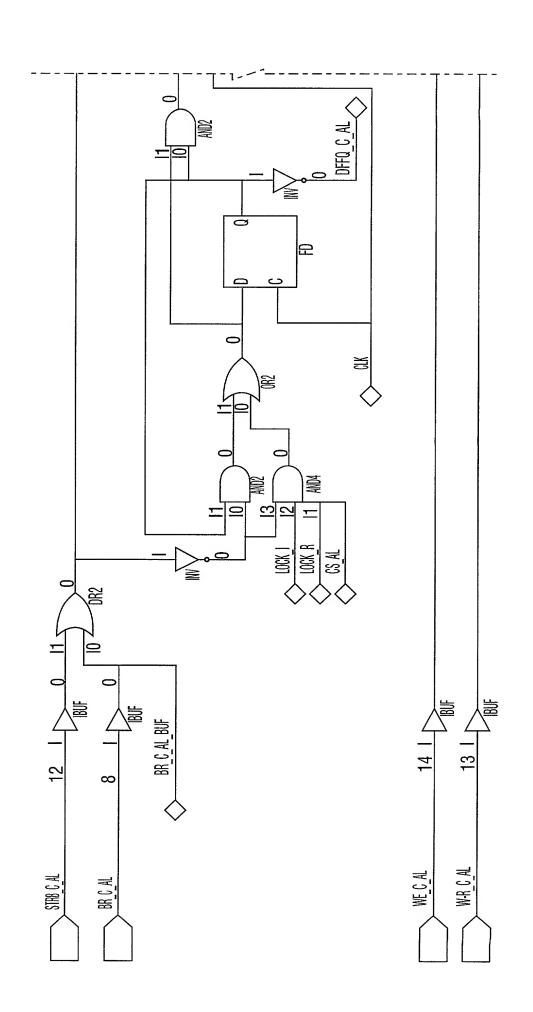
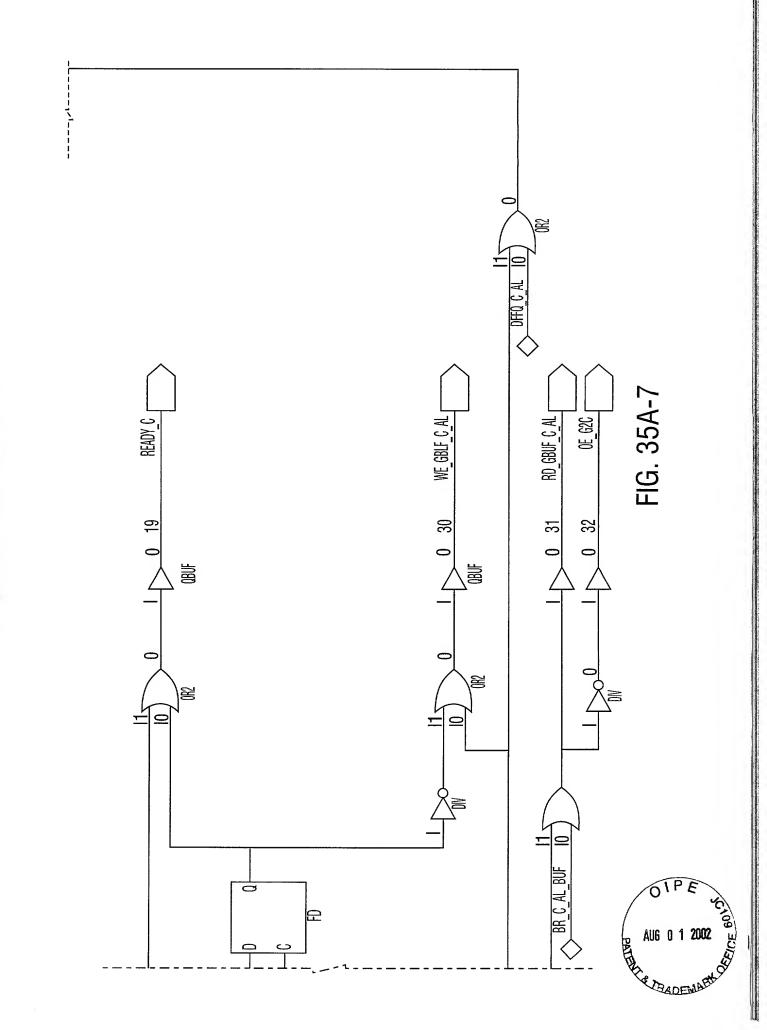


FIG. 35A-6





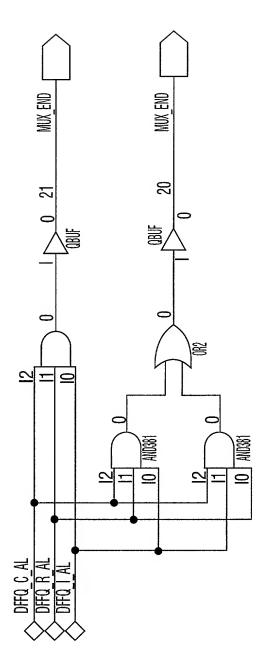


FIG. 35B



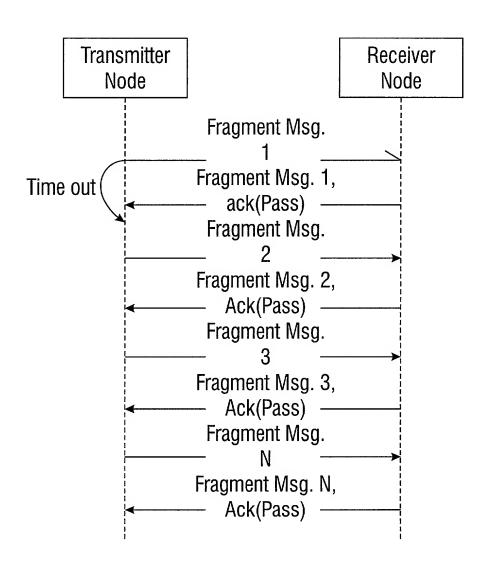


FIG. 36



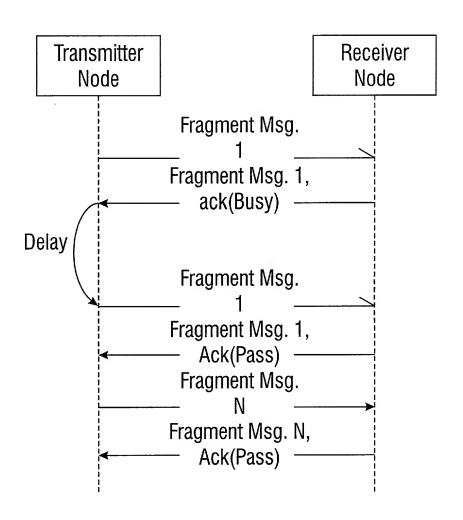


FIG. 37



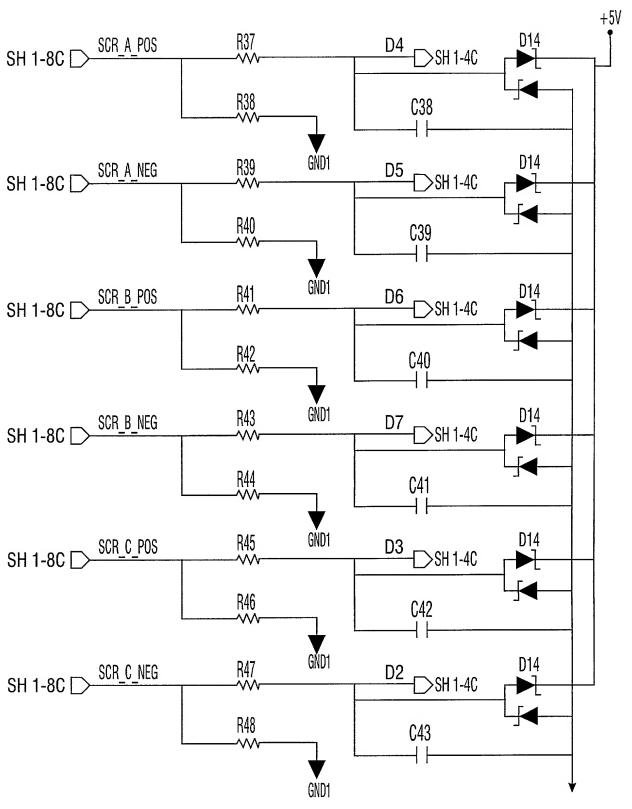
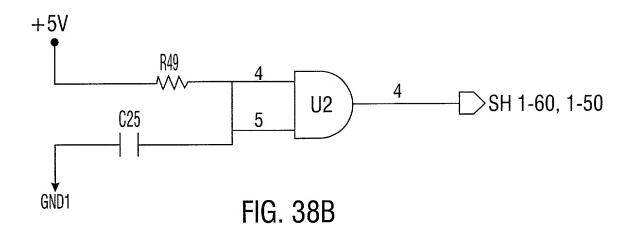


FIG. 38A





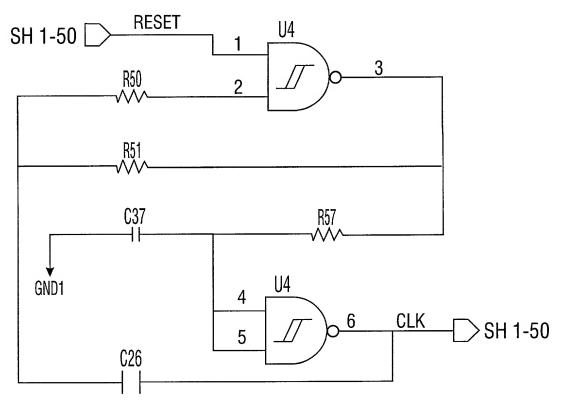
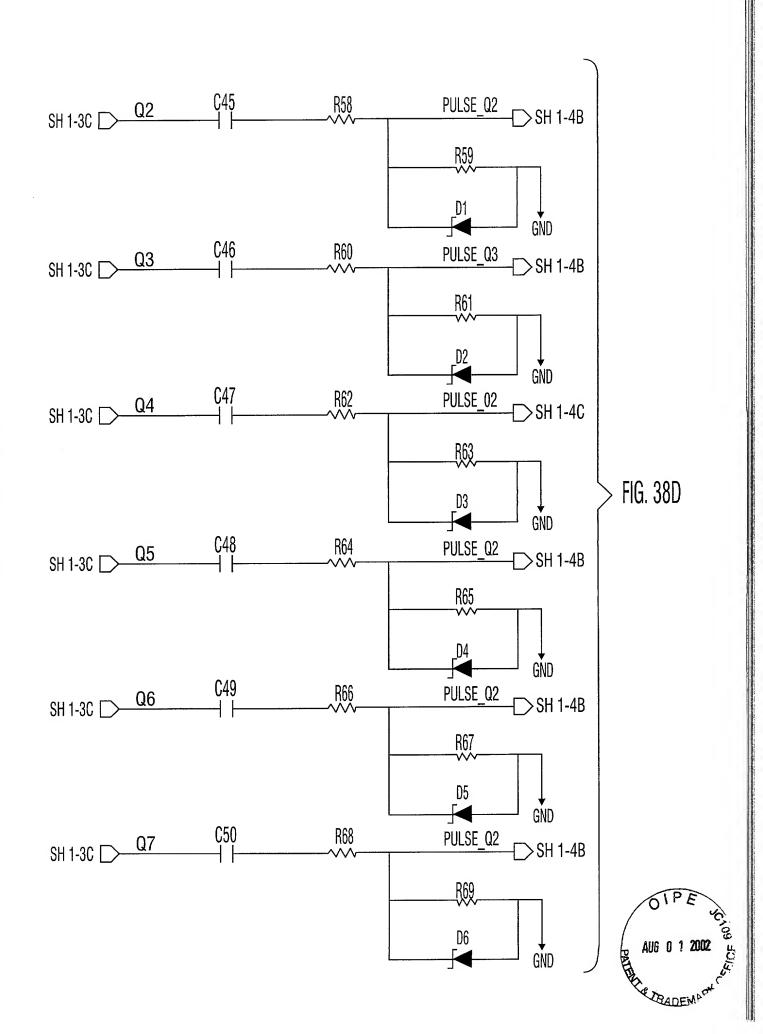
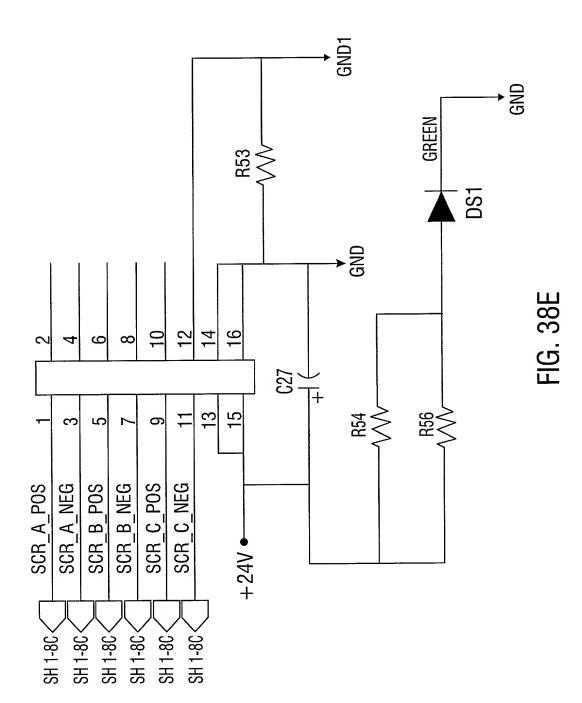


FIG. 38C









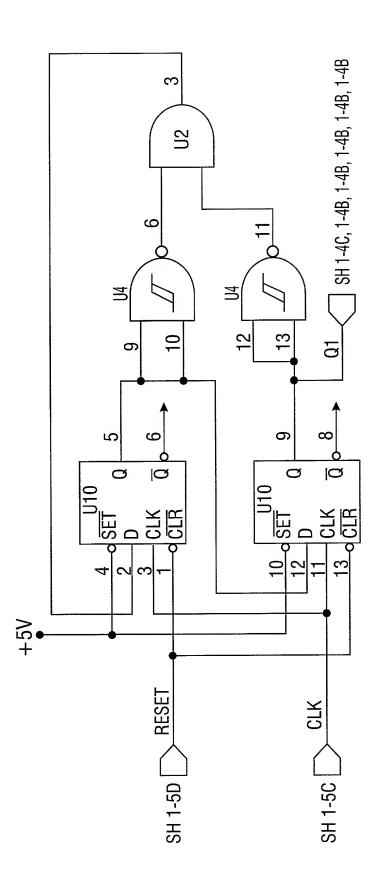


FIG. 38F



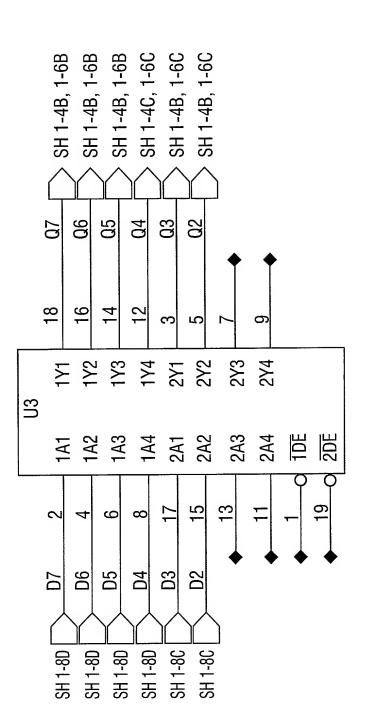


FIG. 38G



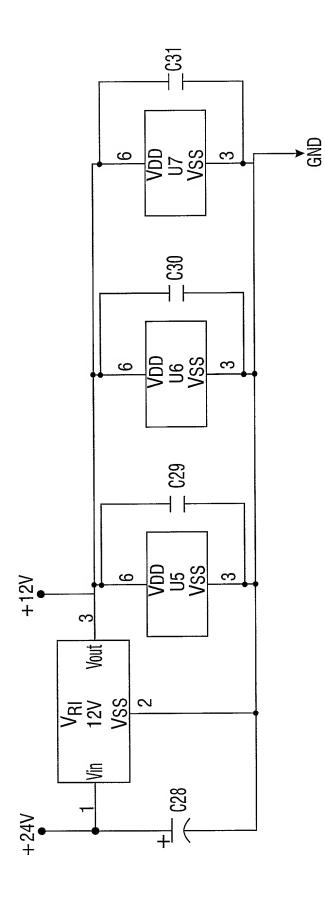
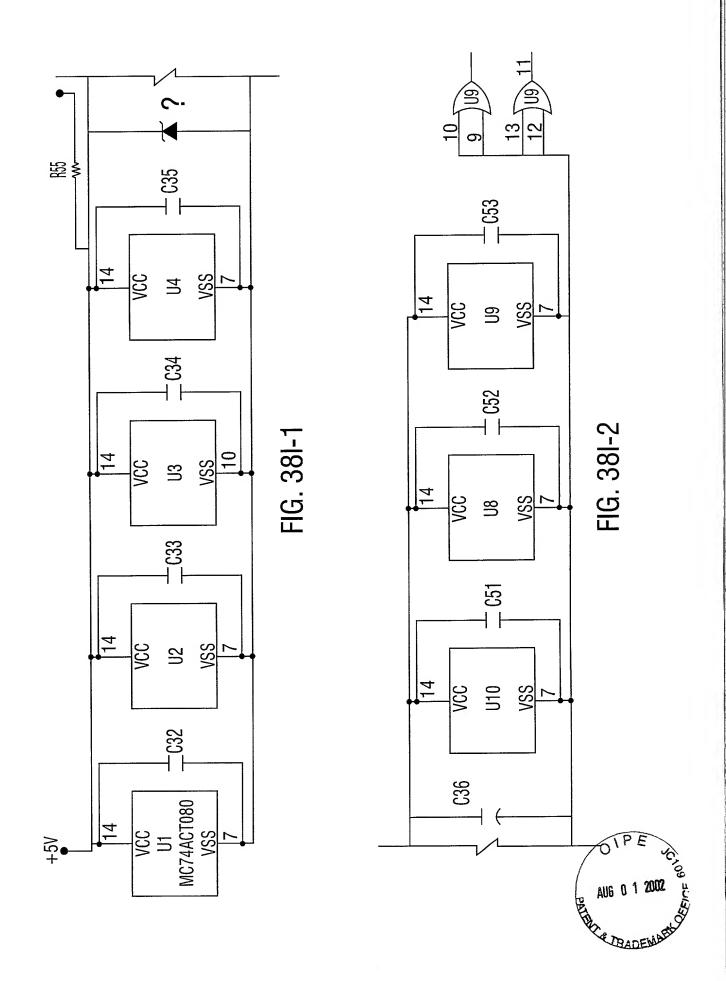
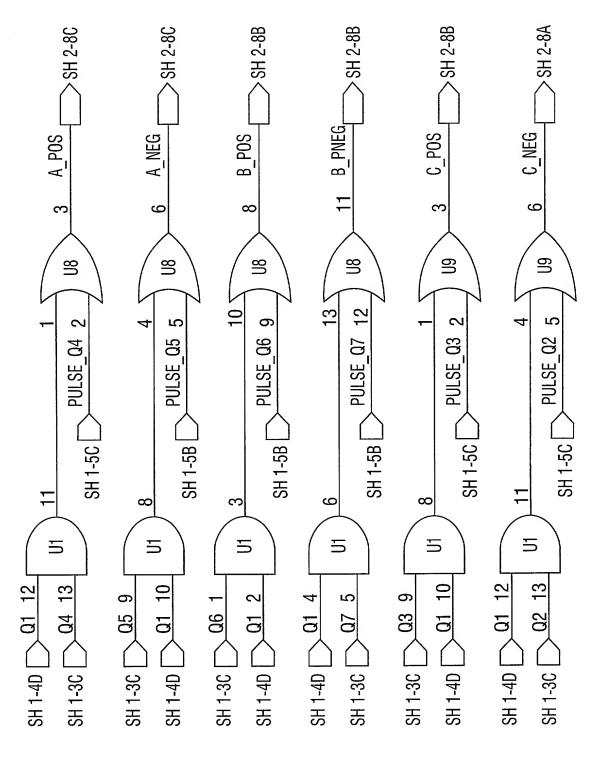


FIG. 38H







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FIG. 38J